

ABSTRACT

Portable, rapidly deployable filter unit for use in air filtering methods providing high
5 efficiency filtration of airborne toxins. The filter unit includes a fan section and a
filter section that are releasably attachable at their respective lateral ends permitting
the filter unit to be reconfigurable to properly handle a variety of threat scenarios
involving protecting the occupant(s) and equipment in an enclosure against an
airborne release of toxic chemical, biological, or radiological agents that threaten to
10 contaminate the air supply, or, alternatively, for decontaminating the air of an
isolation room occupied by contaminated or contagiously ill persons or materials
and protecting the occupants or equipment located outside the isolation room.